

**Investment Brief for  
Immunoprecipitation Tube - Making  
Immunoprecipitation Easier**

**NSW  
AREA HEALTH  
SERVICES**

**Office of Commercialisation**

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# ***Immunoprecipitation Tube – Making Immunoprecipitation Easier***

## ***Business Opportunity***

The Immunoprecipitation Tube is a practical solution for performing the laboratory technique of immunoprecipitation. This is done with a single tube, halving the time taken, reducing experimental error, and improving consistency of results. This tube lends itself to being part of a 'kit', the 'kit' being tube + beads + antibody.

## ***Value Proposition***

The Immunoprecipitation Tube is a very practical solution that uses a single tube making it faster, easier and more accurate.

The laboratory technique of immunoprecipitation is an extremely common procedure carried out in cell biology research. It involves immobilising the protein of interest on a form of bead and later removing it. Sounds simple? However it currently takes 23 steps to do and involves mixing, centrifuging (repeatedly), aspirating (repeatedly), washing (repeatedly), heating, transferring and loading onto a gel. This common laboratory procedure has a high degree of experimental error associated with it, demands manual skill, and is time-consuming and tedious.

## ***Potential Market Applications of the Technology***

The common technique of immunoprecipitation is used by all basic biomedical scientists throughout the world. It is used in biochemical laboratories, hospitals, universities, drug development companies, pharmaceutical research departments, veterinary laboratories, medical research institutes and so on.

It is also used in proteomics, genomics and most biological research. Any laboratory scientist wanting a more accurate way to do immunoprecipitation will be interested in this product. The tube also lends itself to being part of a kit; the 'kit' being the tube + beads + antibody.

## ***Competitors***

Other immunoprecipitation tubes have been developed but they do not solve the problem as effectively as this tube. The majority of scientists are still using the conventional method for immunoprecipitation which has considerable experimental error associated with it.

### *Sustainable Advantage*

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This new immunoprecipitation tube helps a scientist to perform immunoprecipitation more accurately, more quickly and more easily than conventional methods. The tube prototype and method have been both tested and validated.

### *Status of Intellectual Property*

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A Provisional Patent Application was filed in June 2005.

### *Proposed Business*

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Immunoprecipitation tube/kit used to perform the common technique of immunoprecipitation or affinity purification.